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Attorney Docket No.		ATMI-534	
First Inventor		Michael J. Tanguay	
Title	SYSTEM AND METHOD OF ...		
Express Mail Label No.		EL736559674US	

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

## APPLICATION ELEMENTS

*See MPEP chapter 600 concerning utility patent application contents.*

1. ☒ **X** **Fee Transmittal Form (e.g., PTO/SB/157)**  
(Submit an original and a duplicate for fee processing)  
Applicant claims small entity status.  
See 37 CFR 1.27.
2. ☐ **Specification** [Total Pages (Unsworn statement set forth below)  
- Descriptive text of the invention  
- Cross Reference to Related Applications  
- Statement Regarding Self-sponsored R & D  
- Reference to sequence listing, a table, or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Inventions (if filed)  
- Brief Description of the Drawings  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
3. ☒ **X** **Drawing(s) (35 U.S.C. 113)** [Total Sheets 

4. ☐ **Oath or Declaration** [Total Pages 

a. ☐ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 17 completed)

b. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application. See 37 CFR 1.63(d)(2) and 1.33(b).

5. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

### ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))  
 10. ☐ 37 CFR 3.73(b) Statement (if there is an assignee) ☐ Power of Attorney  
 11. ☐ English Translation Document (if applicable)  
 12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations  
 13. ☐ Preliminary Amendment  
 14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  
 15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)  
 16. ☒ Other: Express Mail Cert....

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP)

of prior application No.: 09 , 563,784

**Reprint application information:**

Examiner S. Macarthur

Group I Art Unit: 1763

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 18. CORRESPONDENCE ADDRESS

 Customer Number or Bar Code Label

25559

or ☐ Correspondence address below

(insert Customer No. or Attach bar code label here)

Name	Robert A. McLauchlan, III				
Address	Advanced Technology Materials, Inc.				
	7 Commerce Drive				
City	Danbury	State	CT	Zip Code	06810
Country	US	Telephone	203-794-1100	Fax	203-797-2541

Name (Print/Type)

Robert A. McLauchlan, III

Registration No. (Attorney/Agent)

44,924

**Signature**

Date 12/27/2001

Signature: \_\_\_\_\_

**Burden Hour Statement:** This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.**

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 1298.00

## Complete if Known

Application Number	
Filing Date	
First Named Inventor	Michael J. Tanguay
Examiner Name	
Group Art Unit	
Attorney Docket No.	ATMI-534

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 50-0860

Deposit Account Name: Advanced Technology Materials, Inc.

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	740.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$) 740.00

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
51	20** = 31	18.00	558.00
1	3** = 0		

Multiple Dependent

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	290	204	140	Multiple dependent claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) 1298.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	290	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

SUBTOTAL (3) (\$) 1298.00

\*Reduced by Basic Filing Fee Paid

SUBMITTED BY		Complete if applicable	
Name (Print/Type)	Robert A. McNauchlan, III	Registration No. (Attorney/Agent)	44,924
Signature		Telephone	203-794-1100
		Date	12/28/2001

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10033768-122601

In re application of: Michael J. Tanguay

Title : **SYSTEM AND METHOD OF PROCESSING COMPOSITE SUBSTRATES  
WITHIN A HIGH THROUGHPUT REACTOR**

U.S. Serial No.: New continuation-in-part of Prior Copending U.S. Patent Application  
No.09/563,784

Prior Application Filing Date: March 29, 2000

Prior Application Group Art Unit: 1763

Prior Application Examiner: S. Macarthur

Express Mail Certificate

"Express Mail" mailing label number: EL736559674US

Date of Deposit: December 28, 2001

I hereby certify that this new patent application with filing fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, DC 20231.

Lee Ann DiLello

(Typed or printed name of person mailing paper or fee)

  
(Signature of person mailing paper or fee)

10033768.122601